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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/611,484	07/01/2003	Der Jeou Chou	125182.00007	3309
26707 QUARLES & F	7590 10/17/200 BRADY LLP	EXAMINER		
RENAISSANCE ONE			FLANIGAN, ALLEN J	
TWO NORTH CENTRAL AVENUE PHOENIX, AZ 85004-2391			ART UNIT	PAPER NUMBER
= == 3 			3744	
		•	MAIL DATE	DELIVERY MODE
			10/17/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/611,484	CHOU ET AL.			
Office Action Summary	Examiner	Art Unit			
	Allen J. Flanigan	3744			
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on					
, —	This action is FINAL . 2b) This action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.			
Disposition of Claims					
4) ☑ Claim(s) 1-33 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☑ Claim(s) 1-33 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.	•			
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine	epted or b) objected to by the Idrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau * See the attached detailed Office action for a list of the prioric application from the International Bureau 	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage			
·					
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite			

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The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1-33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Murphy, particularly in view of Bingler.

Murphy is similar to Bingler in showing a heat exchanger with a fan for blowing air in a path through the heat exchanger combined with a pump for circulating fluid through the exchanger, wherein the fan and pump are both driven by the same electric drive means. Note that the airflow past the motor and pump is substantially unblocked by the pump and motor as the fan hub where blades 6 terminate is concentric with the motor and pump casing 11.

The recitation added to claim 1 regarding the rotational speed of the electric motor and pump flow rate fail to patentably distinguish. It would have been obvious to one of ordinary skill in the art to select whatever fan speed and pump flow rate would be required for a particular application of the device. Note the acknowledgement of this in Bingler (paragraph 45 of the Published patent application). The Examiner also notes the admission by the applicants in paragraph 40 of the specification that "The components of the motor, pump, and fan may be selected to provide any suitable volume, flow rate, and rotational speed. For example, a fan pump module in accordance with one embodiment of the present invention has a rotational rate of approximately 2000 to 3000 rpm with a pump flow rate of 5 cc/sec to 10 cc/s. It will be appreciated, however, that these ranges are not intended to be limiting, and that

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any desired rotation rate and flow rate may be selected" (italics added). Thus, this limitation can hardly be argued to be critical.

As noted previously, the applicants have admitted that claims 1-23 are not patentably distinct (in traversing an election of species requirement based on claims drawn to different embodiments being patentably distinct), and the Examiner continues to rely on this admission in rejecting the dependent claims; none of the additionally added claims appear to add limitations which are not shown by Murphy. The method claims 24-28 are essentially product claims in that the only method step recited is the nominal "providing" step, followed by a broad recitation of the subject matter of claim 1.

Applicant's arguments with respect to claims 1-33 have been considered but are most in view of the new ground(s) of rejection.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

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CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Allen J. Flanigan whose telephone number is (571) 272-4910. The examiner can normally be reached on M-F 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Allen J. Flanigan Primary Examiner Art Unit 3744

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